

SERVICE MANUAL

DATSUN PICK-UP MODEL 620 SERIES CHASSIS & BODY



NISSAN MOTOR CO., LTD.
TOKYO, JAPAN

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BF

BODY AND FRAME

GENERAL DESCRIPTION

CONTENTS

PICK-UP BF-2 DOUBLE PICK-UP BF-3

There are three chassis frames; one for the standard wheelbase, another for the long wheelbase of the Pick-up and the other for the Double Pick-up version.

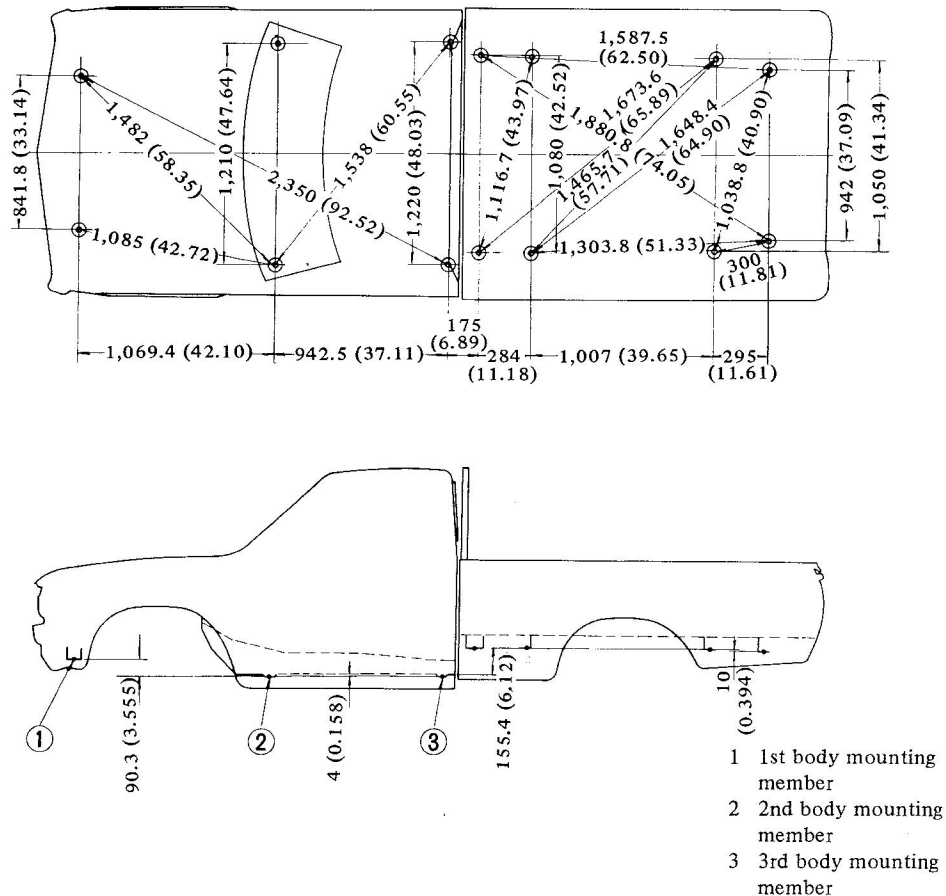
The Double Pick-up uses the same

body structure as the Pick-up model for the front half from the front pillar to the front end.

The frame consists of a right and left side members that are linked together with crossmembers to form a

rigid structure to withstand load to be encountered. The second crossmember is located somewhat backward to permit individual replacement of the transmission.

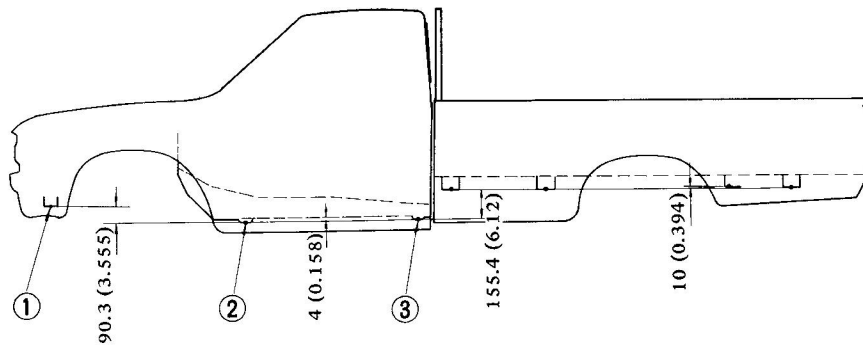
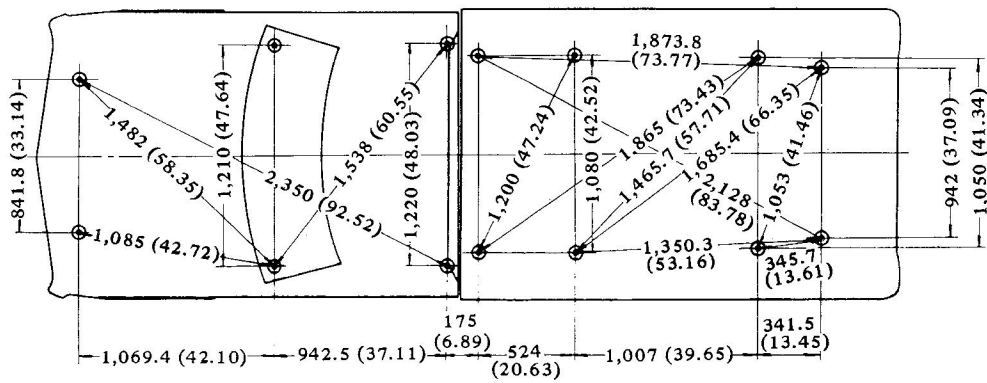
PICK-UP



BF625

Fig. BF-1 Underbody dimensions (Standard wheelbase)

BODY AND FRAME

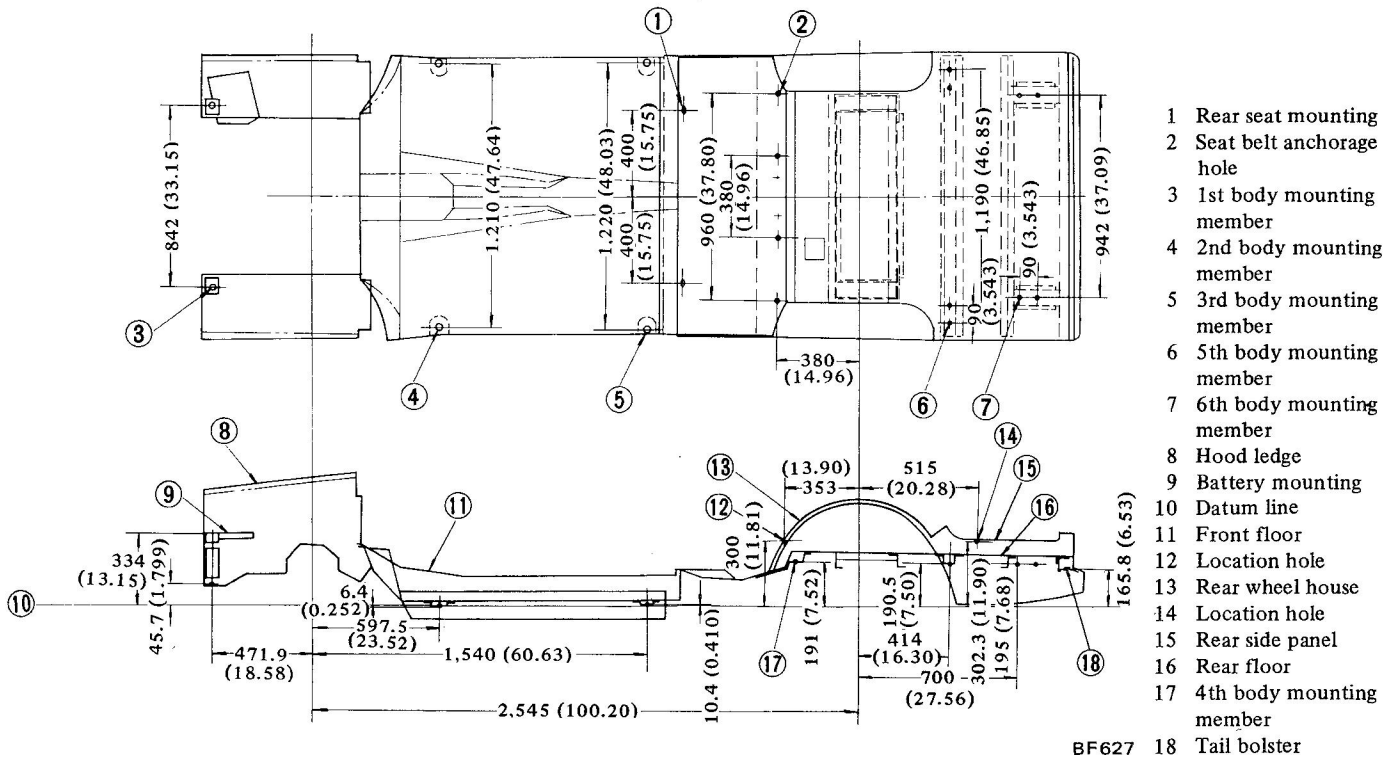


BF626

- 1 1st body mounting member
- 2 2nd body mounting member
- 3 3rd body mounting member

Fig. BF-2 Underbody dimensions (Long wheelbase)

DOUBLE PICK-UP



BF627

Fig. BF-3 Underbody dimensions

BODY AND FRAME

CAB BODY

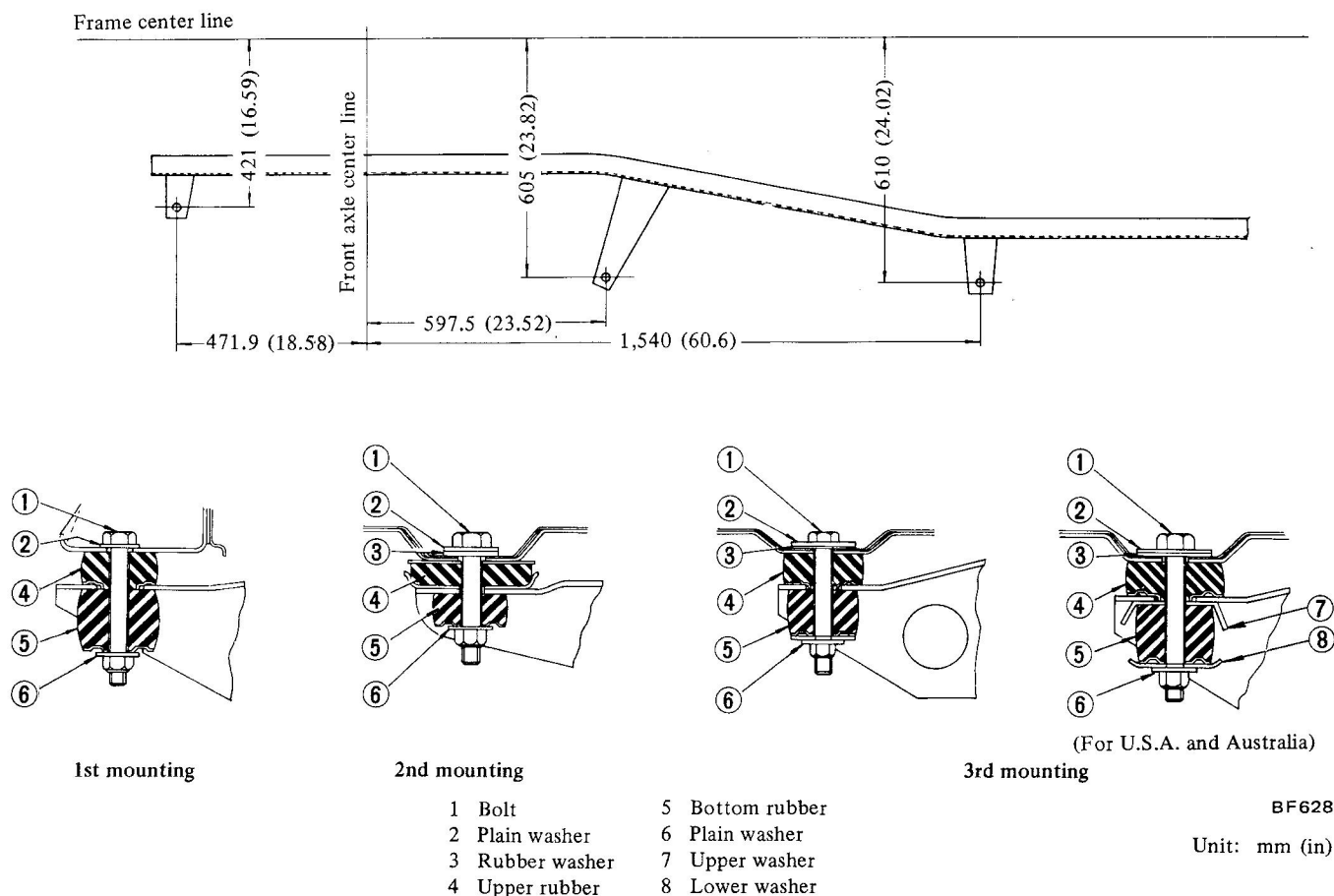


Fig. BF-4 Cab body mountings

REMOVAL AND INSTALLATION

1. Remove battery from engine compartment.
2. Drain water from cooling system completely and remove radiator.
3. Remove engine hood from hood hinges after scribing hood for reinstallation.
4. Remove bumper stays from frame and take out front bumper.
5. Remove radiator grille.
6. With the aid of Steering Wheel Puller ST27180000, remove steering wheel from steering shaft.
7. Remove steering gear arm from steering sector shaft. To do this, use Steering Gear Arm Puller ST27140000.
8. Disconnect select and shift rods at sector lever and gear change lever.
9. Free gear shift lever from control rod.

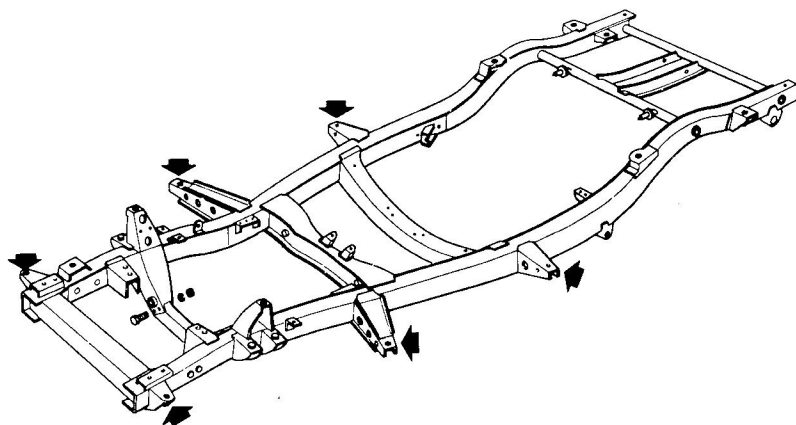
10. Remove screws securing steering shaft dust seat and insulator in position.
11. Remove steering gear housing from frame and pull it out into engine compartment.
12. Disconnect speedometer cable at transmission.
13. Disconnect front brake rubber hose from brake tube.
On single brake master cylinder equipped models, it is necessary to disconnect rear brake tube at front 4-way connector.
- When equipped with tandem master cylinder, disconnect rear brake tube at master cylinder.
14. Disconnect fuel tube at fuel pump inlet.
15. Loosen hand brake control cable at brake control lever. Then discon-

nect cable from dash panel.

Note: Place blocks against front and rear wheels to prevent car from rolling off accidentally.

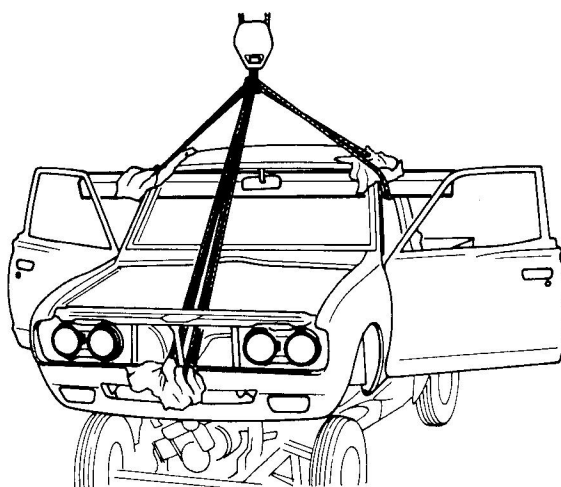
16. Free choke wire and accelerator linkage from carburetor.
17. Disconnect heater hoses at engine side.
18. Disconnect wire harnesses from related engine electrical parts.
19. Disconnect engine and chassis harnesses at their connection on right sidemember near rear engine mounting member.
20. Remove six bolts securing body to frame.

BODY AND FRAME



BF629

Fig. BF-5 Cab body mountings



BF630

Fig. BF-6 Lifting up cab body

21. With the use of suitable ropes and an overhead hoist, lift cab body straight up slowly, place it on a level surface.

Note: In lifting up cab body, use care not to dash it against engine or rear body. Cab body weighs approximately 220 kg (484 lb).

22. For installation, reverse above steps. However, observe the following instructions.

- (1) If the cab body is to be replaced, note position and location of insulators and washers used. See Figure BF-4.
- (2) Adjust hand brake stroke properly.
- (3) Air bleed brake and clutch system thoroughly.

Cab body to frame mounting
bolt torque:

1.6 to 2.2 kg-m
(12 to 16 ft-lb)

BODY FRONT END

CONTENTS

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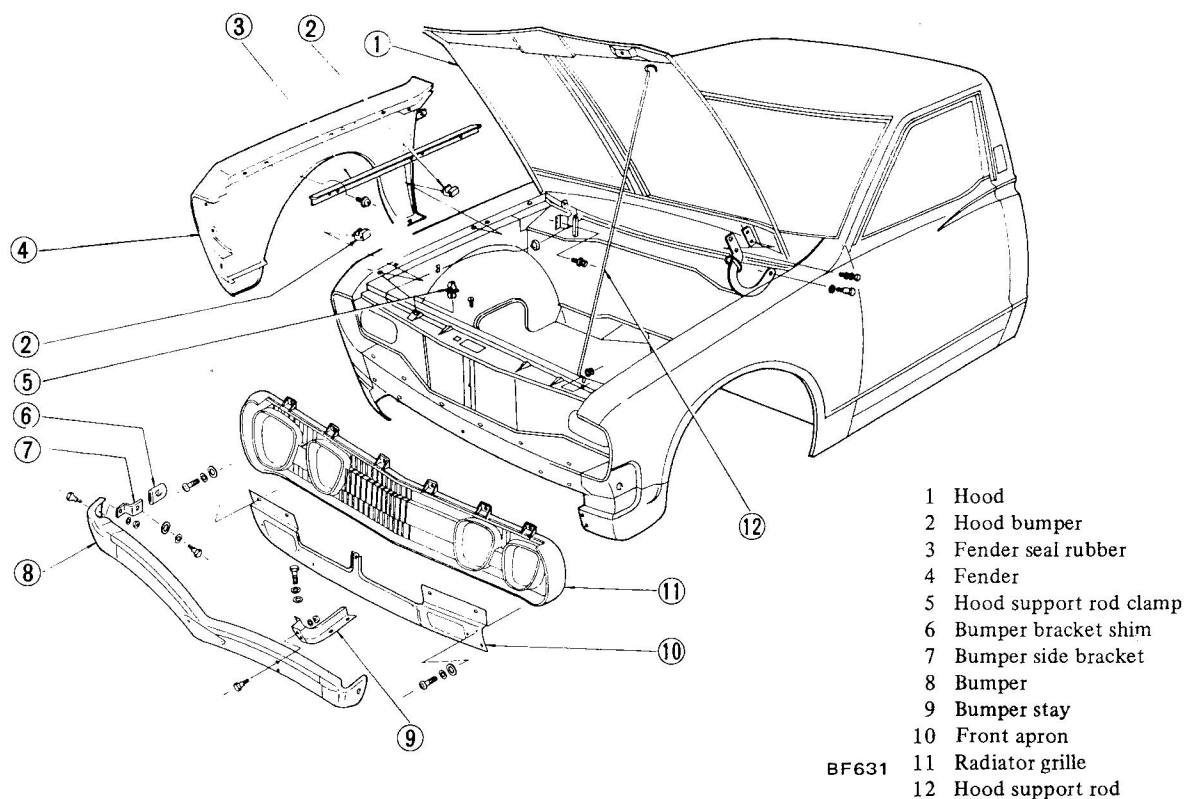


Fig. BF-7 Body front end

FRONT BUMPER

Removal and installation

1. Remove bumper to fender attaching bolts.
2. Remove four bumper stay to side frame front attaching bolts. Pull bumper assembly straight forward.
3. For installation, reverse steps. Align bumper with front fender and apron; then tighten them up.

RADIATOR GRILLE

Removal and installation

1. Remove radiator grille by removing attaching screws, six on top and two on both ends.
2. Remove ornament on radiator grille by removing nuts from behind radiator grille.

3. For installation, reverse steps, observing the following:

- (1) Check to be certain that six guide studs enter holes in radiator support lower frame before tightening top screws.

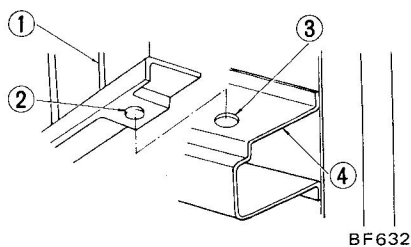


Fig. BF-8 Radiator grille guide studs

- (2) Align grille with head lamps and fenders.

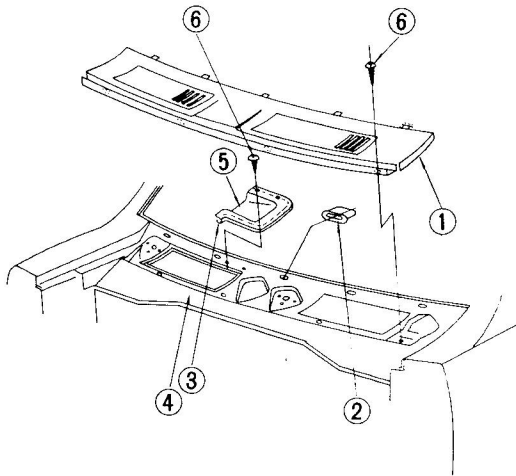
FRONT APRON

Removal and installation

1. Remove front bumper.
2. Remove radiator grille.
3. Disconnect front turn signal wire harness at connector.
4. Remove front apron by removing attaching bolts.
5. For installation, reverse steps.

BODY AND FRAME

COWL TOP GRILLE



BF633

Fig. BF-9 Cowl top grille

Removal and installation

1. Open engine hood.
2. Remove two windshield wiper blades.
3. Remove cowl top grille attaching

screws. Pull grille straight forward to remove.

4. Remove air box drain.
5. To install, reverse steps. However,

observe the following items:

- (1) When installing air box drain, apply adhesive to its lower end.
- (2) Align cowl top grille with fenders.

FRONT FENDER

Removal and installation

1. Remove front bumper.
2. Remove radiator grille.
3. Remove front apron.
4. Remove cowl top grille.
5. Remove sill moulding.
6. Remove hood bumpers (two on each side).
7. Remove nine screws attaching front fender to hood ledge. See Figure BF-7.
8. Remove front fender rubber seals.
9. To install, reverse steps.

HOOD

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Adjustment and inspection BF-9

REMOVAL AND INSTALLATION

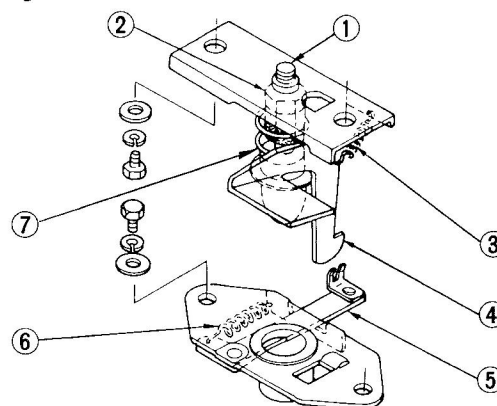
1. Place protective covers over front fender and cowl top grille.
2. Open engine hood. Mark hinge locations on hood and loosen off four bolts securing hood to hood hinge. Use extra caution to avoid damaging painted surfaces of fender and cowl top grille.
3. Remove cowl top grille.
4. Pry off pin from hood hinge and remove hinge.
5. To install, reverse above procedures.

provide for fore-aft and side adjustment to correct space between hood and fender, and hood and cowl top grille.

Loosen four bolts just enough to move engine hood and move hood to

desired position if necessary to correct space.

To make vertical adjustment, adjust height of dove-tail bolt at hood lock male until hood is flush with fender.



BF634

Fig. BF-10 Hood lock male and female

ADJUSTMENT

Four slotted holes in hood hinge

BODY AND FRAME

1. Loosen hood to hinge bolts just far enough to permit movement of hood.
2. Shift hood in elongated hole until parallel space is reached between hood and fender or cowl top grille. Tighten bolts securely.

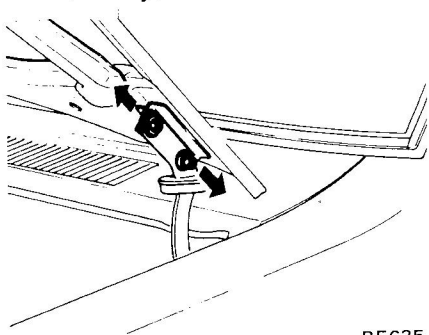


Fig. BF-11 Engine hood alignment

Note: Vertical adjustment should be carried out after hood lock male and female adjustment has been completed.

3. To correct hood lock alignment, loosen two hood lock male attaching bolts and move hood lock male and female in the lateral and fore-and-aft directions as required.

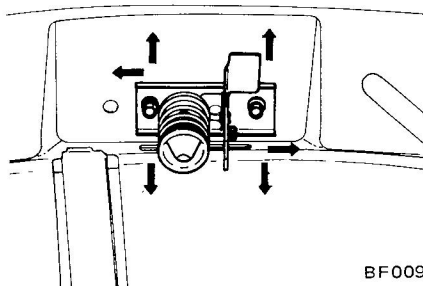


Fig. BF-12 Adjusting hood lock male

4. Dove-tail bolt at hood lock male provide for vertical adjustment to align hood to make it flush with fender. To correct, loosen lock nut on dove-tail bolt and turn dove-tail bolt in or out as necessary to obtain a correct height.
5. Tighten lock nut firmly while holding dove-tail bolt with a screwdriver to secure adjustment.

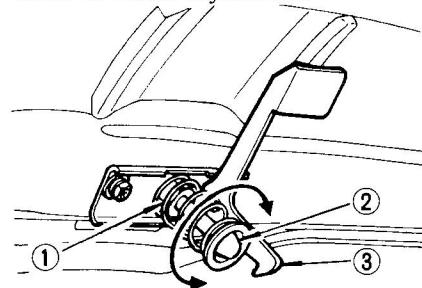
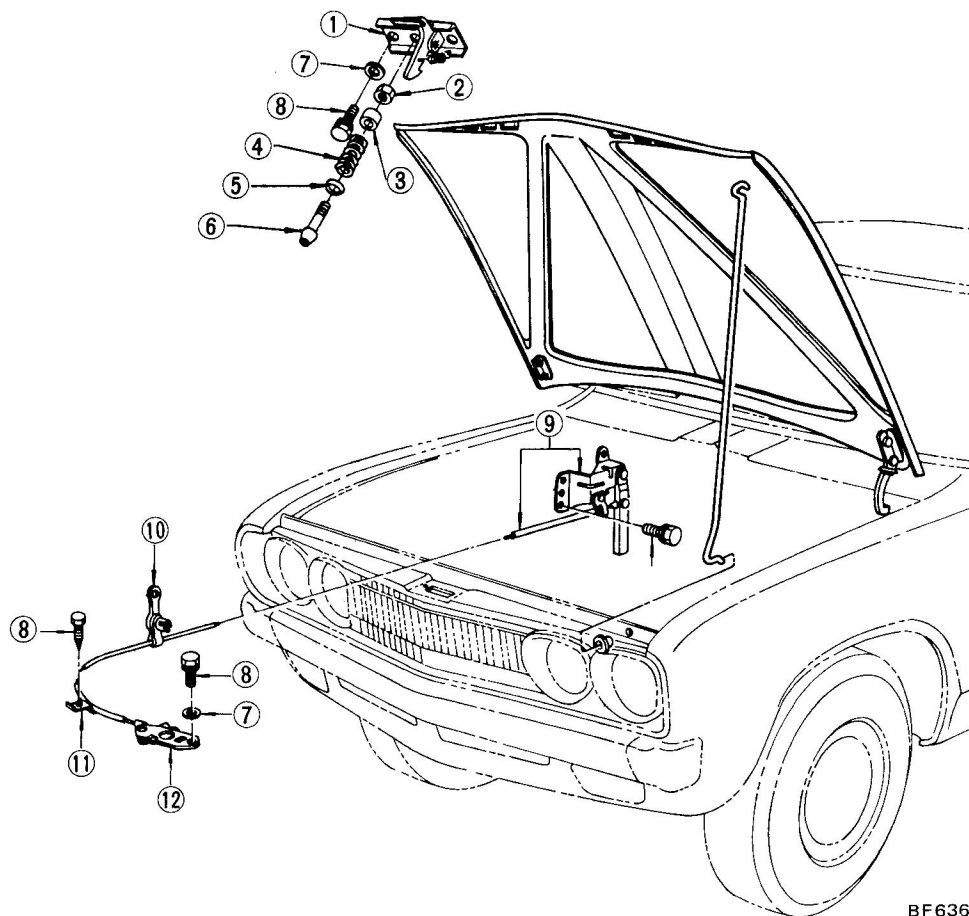


Fig. BF-13 Dove-tail bolt height adjustment

HOOD LOCK AND CONTROL CABLE



- 1 Dove-tail bolt seat
- 2 Lock nut
- 3 Cushion rubber
- 4 Spring
- 5 Spring retainer
- 6 Dove-tail bolt
- 7 Lock washer
- 8 Bolt
- 9 Control cable assembly
- 10 Clamp
- 11 Clamp
- 12 Hood lock female

BF636

Fig. BF-14 Hood lock and control cable

BODY AND FRAME

Removal and installation

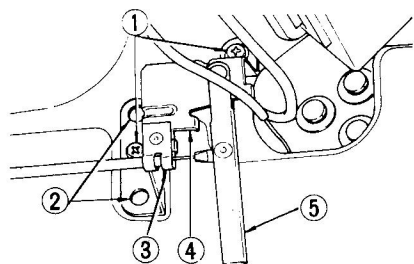
1. Remove hood lock male by removing two attaching bolts.
2. To remove hood lock female, first remove radiator grille. Back off two bolts securing hood lock female in position. Hood lock female can now be taken out.
3. Remove two bolts attaching hood lock handle assembly to dash side panel.

Disconnect cable at hood lock female and remove cable clamps. Pull cable out into cab.

4. To install hood lock male and female, reverse removal procedure. After installation, check to insure that they are properly aligned.

5. To install hood lock handle assembly, reverse steps, observing the following notes:

- (1) Check to be certain that cable clamps are tight and secure.
- (2) Install hood lock handle bracket in place by using two of four holes. See Figure BF-15.



- | | |
|------------------|----------------------------|
| 1 Attaching bolt | 4 Hood lock handle bracket |
| 2 Hole | |
| 3 Clamp | 5 Hood lock handle |

Fig. BF-15 Installing hood lock handle bracket

Adjustment and inspection

1. If hood lock handle is heavy, then turn dove-tail bolt of hood lock male counterclockwise to reduce tension of hood lock spring.

Lock nut of dove-tail bolt should first be loosened.

If looseness is noticed, hood is not tight and will vibrate. To correct this, turn bolt clockwise and recheck.

2. Check hood lock mechanism as follows:

- (1) Check safety catch lever and spring for deformation, fatigue or rusting.
- (2) Check female lever and return spring for deformation, fatigue or rusting. Improper operation of female lever may cause disengagement between female lever and dove-tail bolt.
- (3) Make sure that safety catch hooks engine hood properly when hood latch has been disengaged.

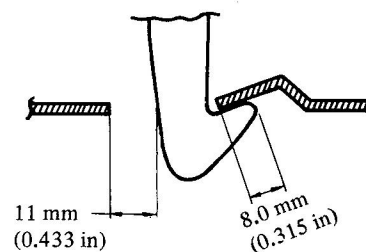


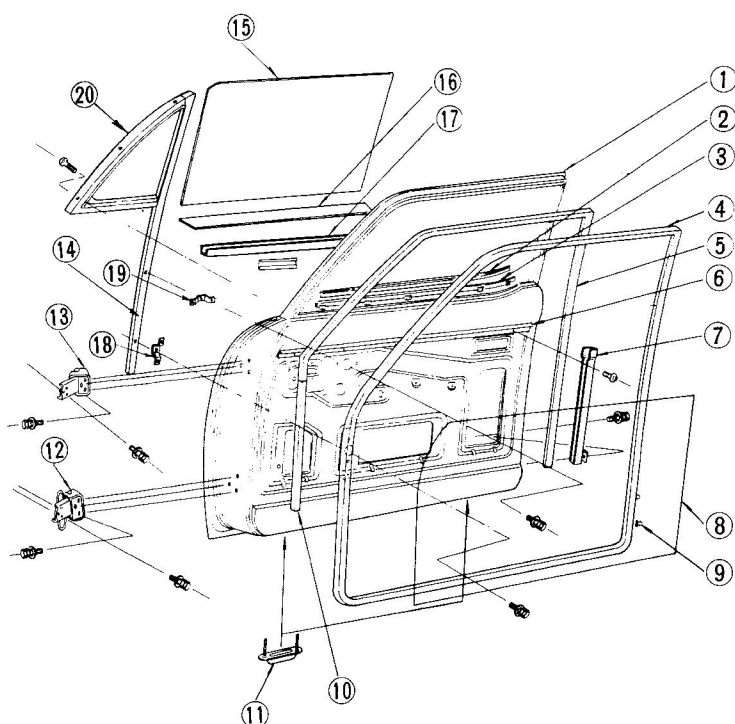
Fig. BF-16 Safety catch lever to radiator upper support adjustment

DOOR

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DOOR GLASS AND REGULATOR	BF-12		

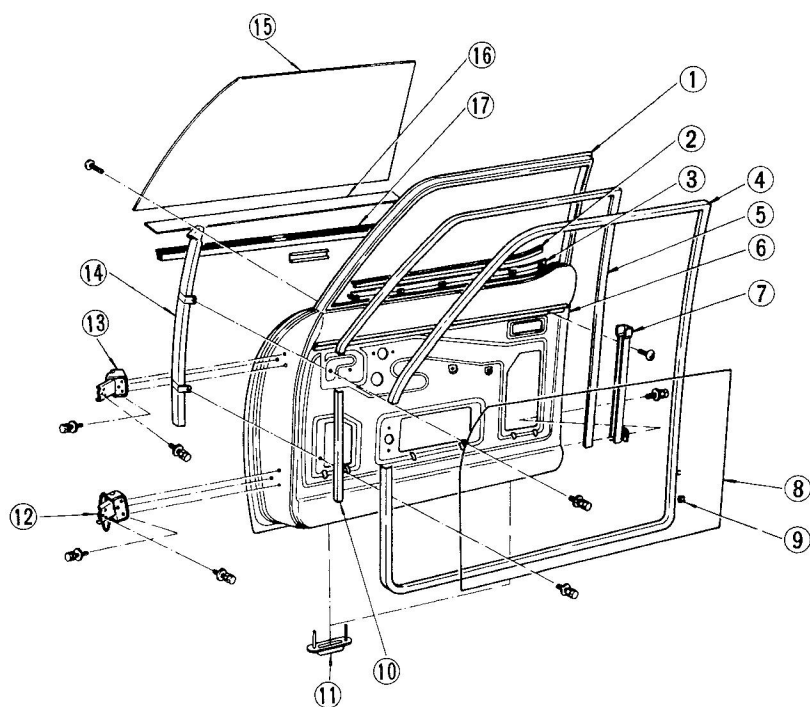
BODY AND FRAME



- 1 Door sash
- 2 Door outside weatherstrip
- 3 Door inside weatherstrip
- 4 Door weatherstrip
- 5 Rear glass run rubber
- 6 Door finish holder
- 7 Rear lower sash
- 8 Seal screen
- 9 Door weatherstrip clip
- 10 Front glass run rubber
- 11 Drain hole cover
- 12 Lower door hinge
- 13 Upper door hinge
- 14 Front lower sash
- 15 Door glass
- 16 Glazing rubber
- 17 Door glass bottom channel
- 18 Lower support
- 19 Upper support
- 20 Door ventilator assembly

BF638

Fig. BF-17-1 Door with ventilator window



- 1 Door sash
- 2 Door outside weatherstrip
- 3 Door inside weatherstrip
- 4 Door weatherstrip
- 5 Rear glass run rubber
- 6 Door finish holder
- 7 Rear lower sash
- 8 Seal screen
- 9 Door weatherstrip clip
- 10 Front glass run rubber
- 11 Drain hole cover
- 12 Lower door hinge
- 13 Upper door hinge
- 14 Front lower sash
- 15 Door glass
- 16 Glazing rubber
- 17 Door glass bottom channel

BF 639

Fig. BF-17-2 Door without ventilator window

DESCRIPTION

The door consists of one piece inner and outer panels welded together to form a rigid structure.

The curved glass provides more room for shoulders. On the L16 engine equipped cars (destined for U.S.A. and Canada), the door uses a one piece glass without ventilator.

A door that incorporates a ventilator window is also available as production optional.

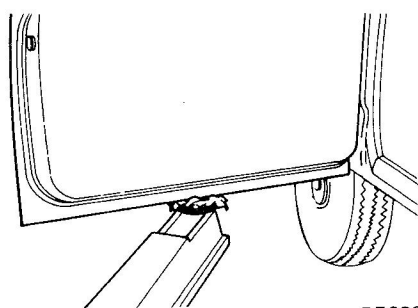
On cars equipped with the J13 or J15 engine, the door incorporates a ventilator window.

The single-check door hinge is the same unit as that introduced in the Nissan Junior (Model 140).

The weatherstrip is inserted into groove on the door sash side and is attached by clips on the door side.

REMOVAL AND INSTALLATION

1. With door in full open position, place a garage jack or stand beneath door to support its weight when bolts are removed. Place rag between door and jack or stand to avoid damaging painted surface.

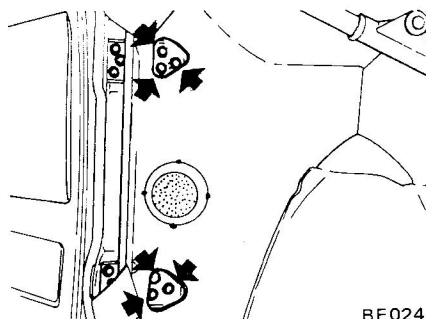


BF023

Fig. BF-18 Supporting door

2. Separate lower door hinge hole cover from dash side trim.

3. While supporting door as above, back off body to upper and lower hinge attaching bolts accessible from inside cab (three each). Door can now be taken out from cab body.



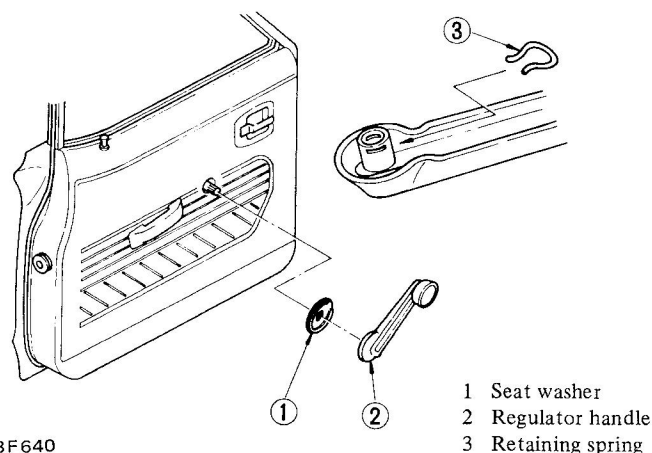
BF024

Fig. BF-19 Removing door hinge bolts

4. To install, reverse removal procedure.

DOOR ALIGNMENT

Elongated holes (three each) in door hinge and door lock striker provide for up and down, forward and backward, and/or sideways adjustment to assure proper door fit to door opening.

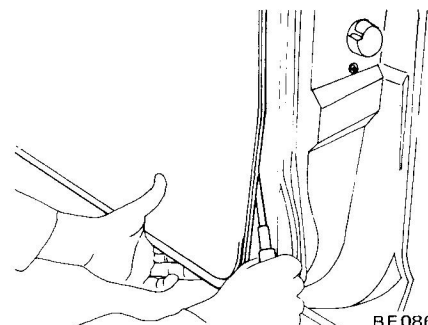


BF640

Fig. BF-20 Removing regulator handle

4. When removing door finish, it is important that door inside panel and door finish are not damaged.

Use a Phillips screwdriver or similar flat-bladed tool and pry off retaining clips, exercising care not to damage clips.



BF086

Fig. BF-21 Removing door finish

To adjust door alignment, loosen bolts and move door to desired position to obtain a parallel space between door sides and door opening. Also check to be certain that weatherstrip contacts body opening evenly to prevent entry of mud and water.

DOOR TRIM AND SEAL

Removal and installation

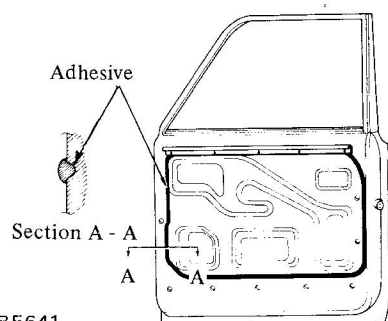
1. Remove screw securing inside door handle escutcheon; remove escutcheon.
2. Remove screws which hold pull handle and arm rest in position. Handle and arm rest can then be taken out.
3. Pull retaining spring off regulator handle. Take out regulator handle and seat washer.

5. Separate water seal screen from door inside panel.

6. To install, reverse removal procedure. However, observe the following installation notes:

(1) When water seal screen is to be replaced, be sure to cement it back into position securely to ensure a water sealed door. This can be done by applying adhesive to grooves in door inside panel evenly.

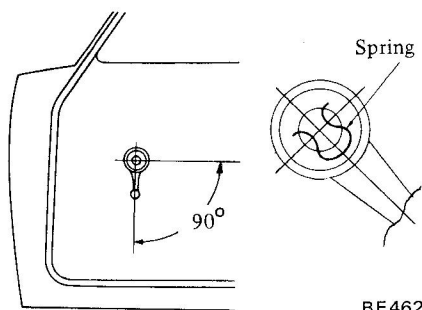
Broken or suspect water leak screen must be replaced with a new one.



BF641

Fig. BF-22 Adhesive for seal screen

(2) With door glass up, set regulator handle at an angle shown in Figure BF-23.



BF462

Fig. BF-23 Installation angle of regulator handle

GLASS RUN

Removal and installation

1. With door in full out position, lower glass all the way.
2. Remove pull handle, arm rest and regulator handle.
3. Remove door finish and water seal screen.
4. Remove outer and inner weatherstrips from door.

5. Remove door glass.

6. Remove glass run rubbers from front and rear lower sashes, and from those of fixed door.

Use caution to avoid damaging rubbers during removal operation.

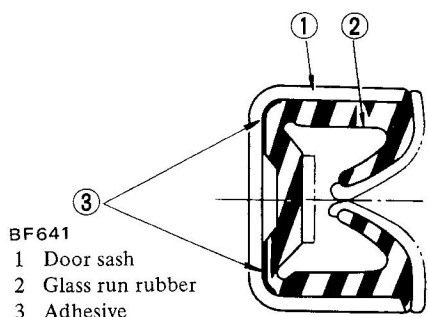
7. Remove front and rear lower door sashes (when ventilator window is not provided).

8. On cars equipped with ventilator window, remove ventilator window frame and rear lower door sash.

9. To install, reverse removal procedure. However, observe the following notes:

(1) Before applying adhesive, clean the inside of door sash.

(2) Apply adhesive to glass run rubber on door sash contacting face and fit it correctly. Particularly, care should be taken at corners and contact face to assure a good fit.



BF641

- 1 Door sash
- 2 Glass run rubber
- 3 Adhesive

Fig. BF-24 Applying adhesive to glass run rubber

DOOR GLASS AND REGULATOR

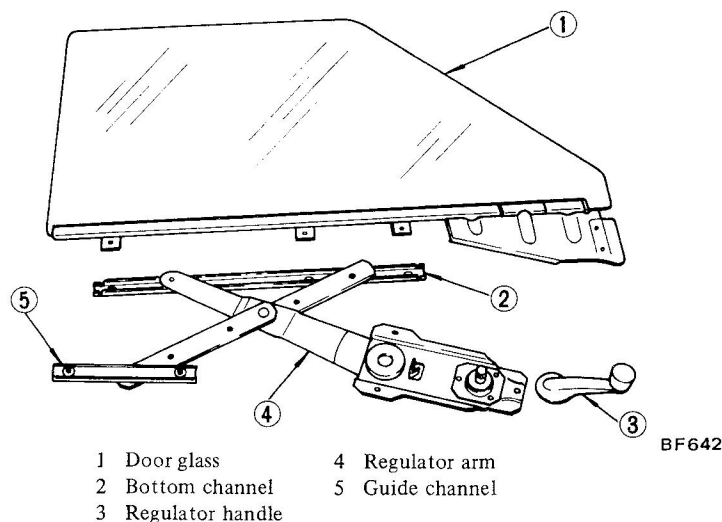


Fig. BF-25 Door glass and regulator

BODY AND FRAME

Removal and installation

1. Open door; lower glass all the way.
2. Remove inside door handle escutcheon.
3. Remove pull handle.
4. Remove arm rest.
5. Remove regulator handle.
6. Remove door finish.
7. Peel off water seal screen.
8. Work off outer and inner weatherstrips from door, being sure not to scratch door paint during operation. Use a suitable plain screwdriver or similar flat-bladed tool to remove and place a piece of rag between screwdriver and door panel.

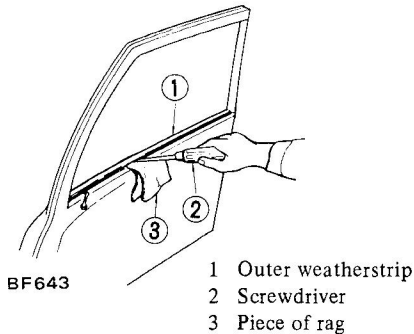


Fig. BF-26 Removing outer weatherstrip

9. On ventless doors, remove three door glass bottom channel attaching bolts. Remove door glass by lifting it straight-up.

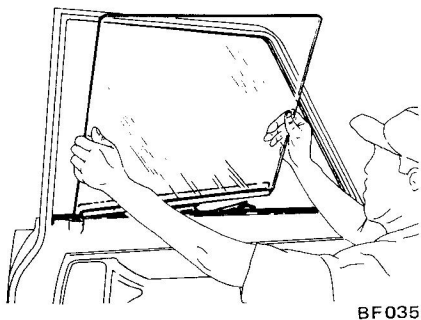


Fig. BF-27 Removing door glass

10. On doors equipped with ventilator, remove three bolts securing door glass bottom channel in place, then let glass go to the bottom of door.

11. Remove five ventilator frame attaching bolts. Lift frame straight-up out of door.

Prior to removing frame, it is necessary to remove glass run rubber from frame.

On doors equipped with ventilator, three screws are used to retain ventilator frame at top area. These screws must be removed after door weatherstrip has been removed from door sash.

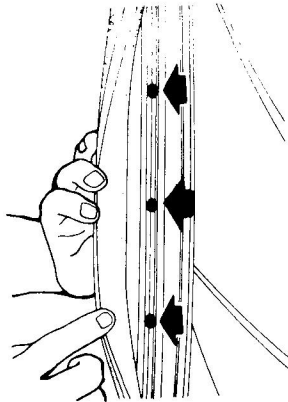


Fig. BF-28 Removing ventilator frame

12. On doors equipped with ventilator, lift door glass straight-up to remove.

13. Loose off five guide channels to regulator base attaching screws. Take out regulator assembly through large access hole in door inside panel.

14. To install, reverse removal procedure.

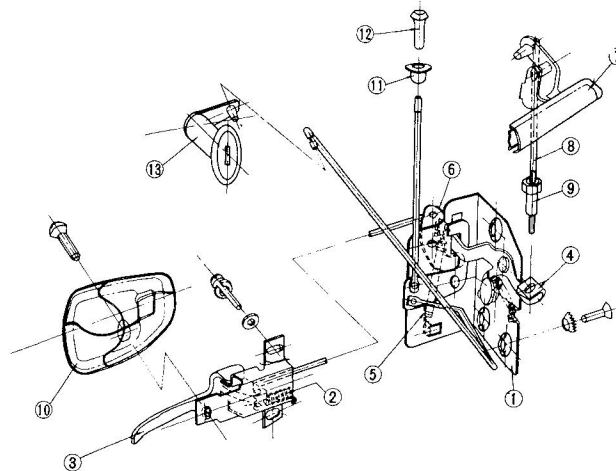
Adjustment

1. In-and-out and fore-and-aft adjustment can be made by moving front- or rear-sash and guide channel as required.

Ease with which window assembly raises and lowers depends on adjustment of rear lower sash. Rear lower sash should be in parallel with front lower sash.

2. Fore-and-aft adjustment is determined by position of guide channel and front lower sash. Moving front lower sash backward reduces play in window assembly.

DOOR LOCK



- 1 Door lock
- 2 Spring
- 3 Inside handle
- 4 Locking plate
- 5 Locking plate spring
- 6 Stopper
- 7 Outside handle
- 8 Outside handle rod
- 9 Nylon nut
- 10 Escutcheon
- 11 Knob grommet
- 12 Door lock knob
- 13 Door lock cylinder

Fig. BF-29 Door lock mechanism

BODY AND FRAME

Removal and installation

1. Open door.
2. Remove inside door handle escutcheon.
3. Remove pull handle.
4. Remove arm rest.
5. Remove regulator handle.
6. Remove door finish.
7. Peel off water seal screen.
8. Raise door glass to full-up position.
9. Remove inside door lock knob.
10. Remove rear lower sash attaching bolts.
11. Disconnect remote control rod from key cylinder and outside door handle.
12. Remove three door lock assembly attaching screws.
13. Remove two inside door handle attaching screws.
14. Take out door lock as an assembled unit through large access hole in door panel together with inside door handle.
15. Remove two outside door handle attaching nuts. Outside door handle can then be taken out.
16. Remove lock plate from key cylinder and detach key cylinder.
17. To install door lock assembly, outside and inside door handles and key cylinder, reverse removal procedure.

Adjustment

Outside door handle:

Adjustment of play in outside door handle is controlled by play adjustment available at nylon nut on threaded end of outside door handle rod.

Correct play is 1.0 mm (0.039 in) or below as measured between nylon nut and locking plate.

Inside door handle:

Elongated hole in inside door handle provides for play adjustment of inside door handle.

Correct play is 1.0 mm (0.039 in) or below as measured at control rod.

DOOR LOCK STRIKER

Adjustment of door lock striker should be made after door hinge has been adjusted correctly.

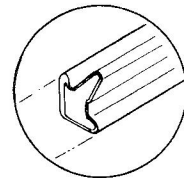
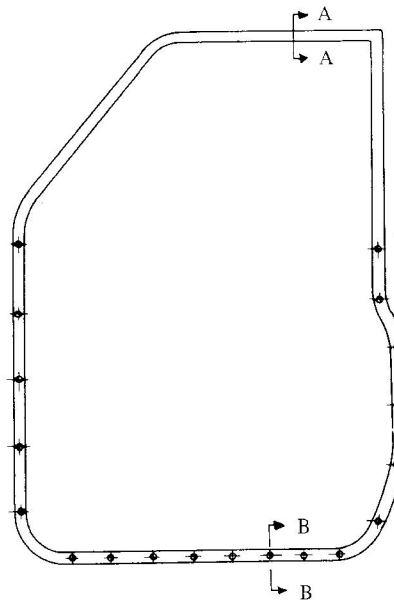
Elongated holes (three) provide for

up-and-down or fore-and-aft adjustment to establish proper engagement between door lock striker and door lock latch.

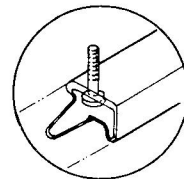
WEATHERSTRIP

Description

The weatherstrip is retained by clamp to the door sash and by 19 clips to the door panel. No adhesive is used to retain the weatherstrip to door.



Section A-A



Section B-B

BF645

Fig. BF-30 Door weatherstrip

Removal and installation

1. Open door.
2. Free weatherstrip from door sash clamp.
3. Pry off clips from door panel;

remove weatherstrip.

4. To install, reverse removal procedure.

BODY AND FRAME

WINDSHIELD GLASS AND WEATHERSTRIP

CONTENTS

DESCRIPTION	BF-15	SIDE WINDOW AND WEATHERSTRIP	
REMOVAL	BF-15	(Double Pick-up)	BF-16
INSPECTION	BF-15	Removal and installation	BF-16
INSTALLATION	BF-15	Adjustment	BF-16
BACK WINDOW GLASS AND			
WEATHERSTRIP	BF-16		

DESCRIPTION

The general design and layout of the windshield glass is essentially the same as that used in the 521 model. It is retained in the body glass opening through the weatherstrip. There are twelve water drain holes; one on each side of the bottom of the glass opening, and ten along the length of the weatherstrip. The back window weatherstrip has four water drain holes.

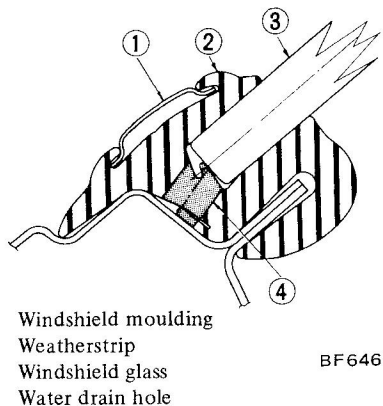


Fig. BF-31 Front windshield glass and weatherstrip

REMOVAL

1. Place protective covers over engine hood, front fender, seat and instrument panel.
2. Remove inside rearview mirror and sun visor.
3. Remove windshield mouldings.
4. Using a putty knife or similar flat-bladed tool, pry lips of weatherstrip out of place from top and side flanges of body opening.

If weatherstrip is to be reused, it is important that it is not damaged during operation.

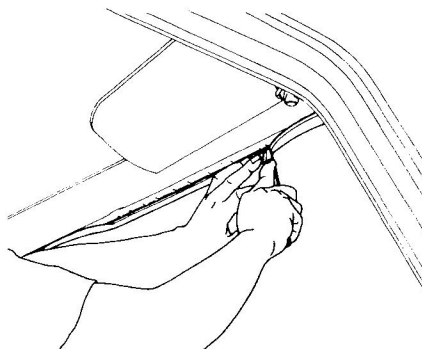


Fig. BF-32 Removing weatherstrip

5. Working from inside car, push by hand windshield glass out of body opening starting at right and left upper corners toward ends.

6. After removing weatherstrip from top and sides of body opening, lift glass up sufficiently to permit removal of weatherstrip from bottom flange; pry weatherstrip out of position.

This operation requires two men.

INSPECTION

Prior to installing windshield glass, make the following checks on body glass opening and weatherstrips:

1. Clean weatherstrip channels, replacing those found with cracks or sign of deterioration.
2. Clean body openings noting if these are not distorted or corroded.

INSTALLATION

1. Fit weatherstrip on glass, making sure it is properly seated and positioned. Adhesive need not be applied.

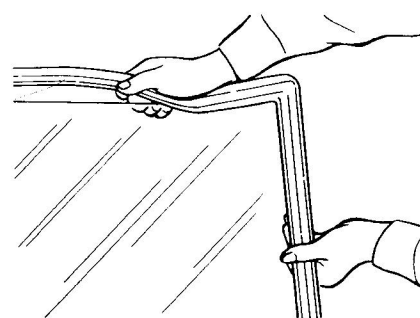


Fig. BF-33 Fitting weatherstrip on glass

2. Insert a draw-cord completely around weatherstrip outer channel.

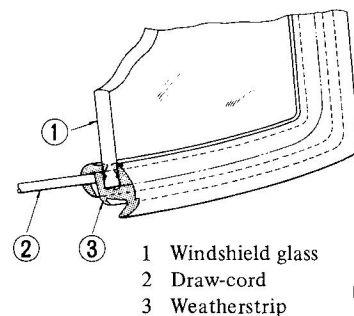


Fig. BF-34 Inserting draw-cord around weatherstrip outer channel

3. With aid of a helper, press windshield assembly against body opening from outside, being sure weatherstrip lip aligns with body opening flange.
4. Slowly pull cord ends from inside to overlap weatherstrip channel on body opening flange starting at center top toward ends. The operation should be made while one man pushes glass against body opening from outside.

The same technique should be applied to right, left and bottom weatherstrips.

BODY AND FRAME

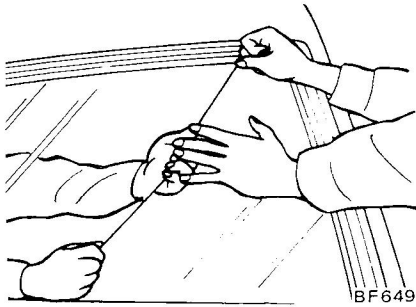


Fig. BF-35 Fitting weatherstrip (top)

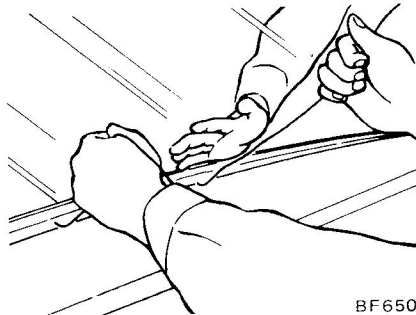


Fig. BF-36 Fitting weatherstrip (bottom)

5. Install windshield mouldings on weatherstrip.
6. Install inside rearview mirror and sun visor.

BACK WINDOW GLASS AND WEATHERSTRIP

Refer to relative topics under "Removal," "Inspection" and "Installation" of windshield glass.

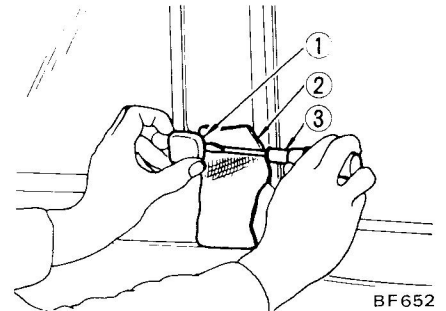
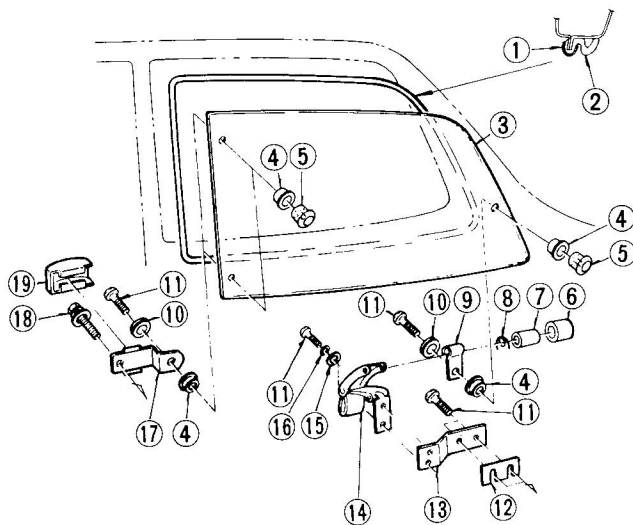


Fig. BF-38 Removing hinge cover

3. Remove screws securing hinge in place; take out side window.
4. Remove welt from glass opening and remove weatherstrip.
5. To install, reverse removal procedure.

SIDE WINDOW AND WEATHERSTRIP (Double Pick-up)



BF651

Fig. BF-37 Exploded view of side window and weatherstrip

Removal and installation

1. Remove two catch handle bracket to rear pillar attaching screws.
2. Remove hinge covers (two) with aid of a suitable plain screwdriver.

Place a piece of rag between screwdriver and cover to prevent damage to painted surfaces.

Adjustment

1. With glass fully closed, adjust clearance between welt and glass to 14 mm (0.551 in). If necessary, add shim between catch handle bracket and rear pillar to establish required clearance.

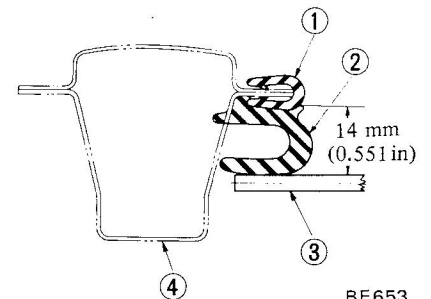


Fig. BF-39 Adjusting welt to glass clearance

2. Align side window glass with glass opening by moving it up and down in elongated holes on hinge.

BODY AND FRAME

SEAT

CONTENTS

DESCRIPTION	BF-17	Rear (Double Pick-up)	BF-18
REMOVAL AND INSTALLATION	BF-18	SEAT BELT ANCHORAGES	BF-18
Front	BF-18		

DESCRIPTION

All Pick-up models use a full width bench seat. On Double Pick-up models, a bench seat with separate seat back is used for the front, and a bench seat for the rear.

The manual seat adjuster provides a 140 mm (5.51 in) fore-aft travel to suit the driver.

Provisions are also made for the attachment of the 3-point seat belt. The rear seat provides anchorage for the 2-point seat belt. On Double Pick-up models, the front seat incorporates separate seat backs with individual seat back latches to let rear passenger step in and out with ease.

CAUTION:

In conformity with M.V.S.S. No. 302, be sure to remove the thin polyethylene covers from seat cushion, seat back and seat belts at:

- Pre-delivery service
- Parts replacements

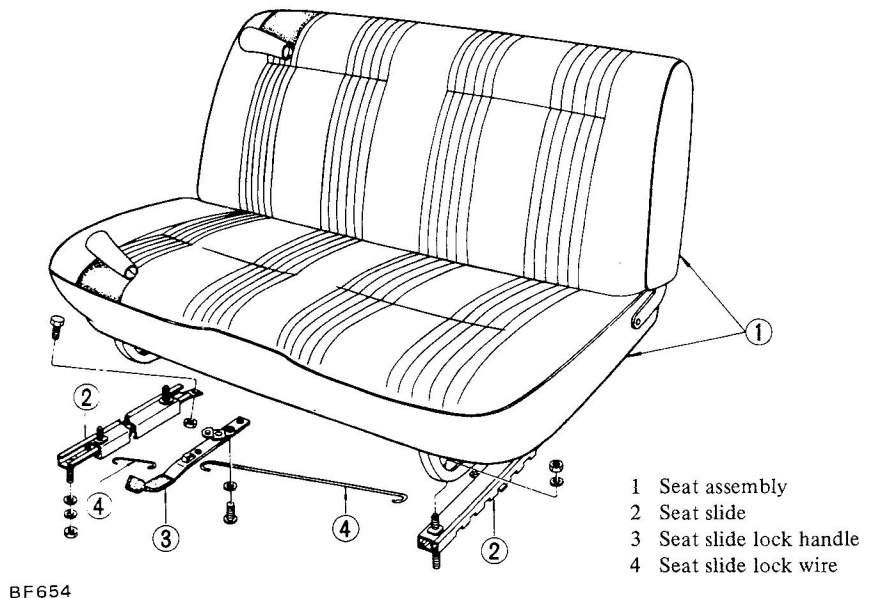


Fig. BF-40 Front seat (Pick-up)

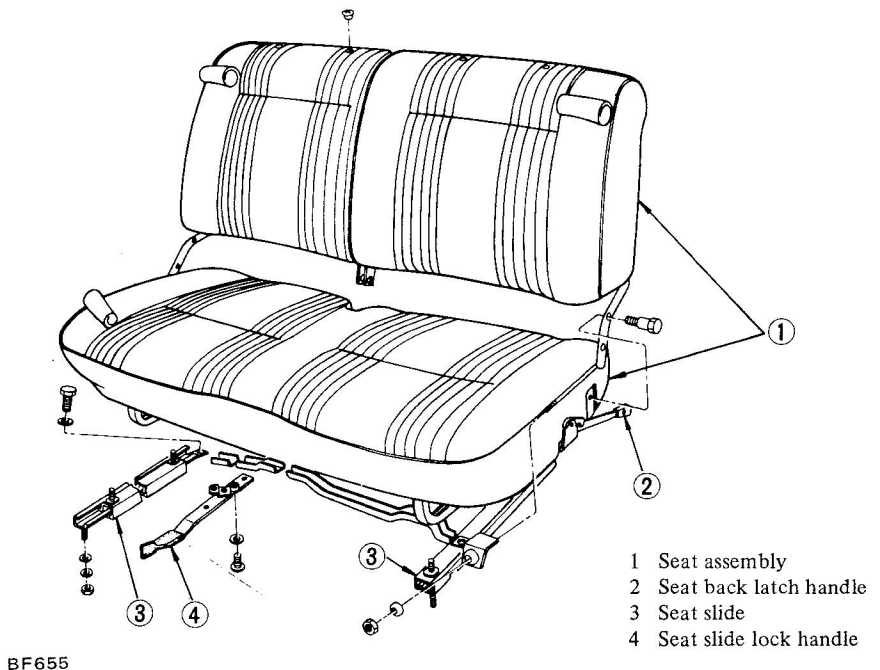


Fig. BF-41 Front seat (Double Pick-up)

REMOVAL AND INSTALLATION

Front

1. Turn off four bolts retaining seat slide assembly to floor; take out seat assembly.
2. To install seat, reverse above removal procedure.

Rear (Double Pick-up)

1. Lift front end of rear seat cushion sufficiently to permit removal of seat cushion.
2. Loosen off two bolts securing bottom of rear seat back to floor. Remove seat back by lifting it up by hand.

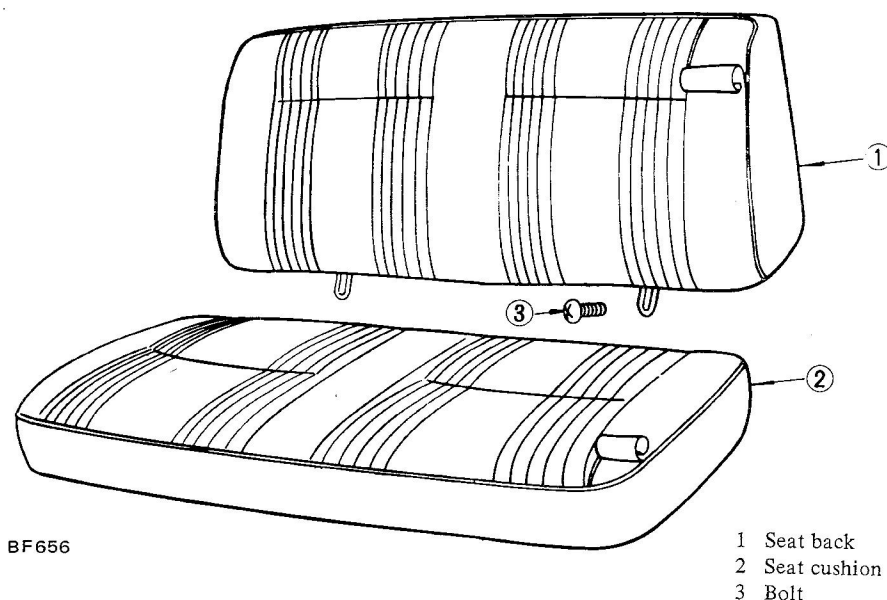


Fig. BF-42 Rear seat (Double Pick-up)

SEAT BELT ANCHORAGES

Seat belt attaching nuts are welded to the positions shown in Figure BF-43.

Always use Nissan/Datsun genuine seat belt at its proper location.

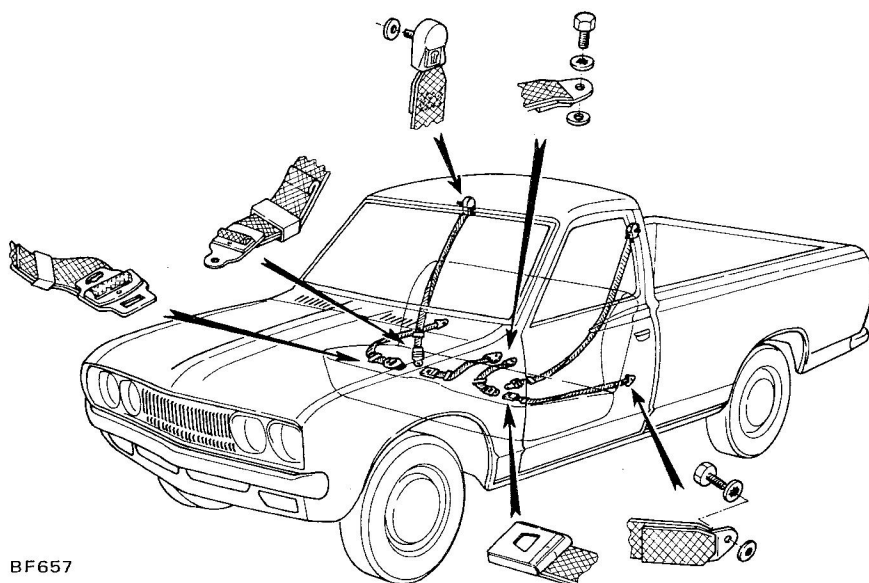


Fig. BF-43 Seat belt anchorages (Pick-up)

BODY AND FRAME

INSTRUMENT PANEL

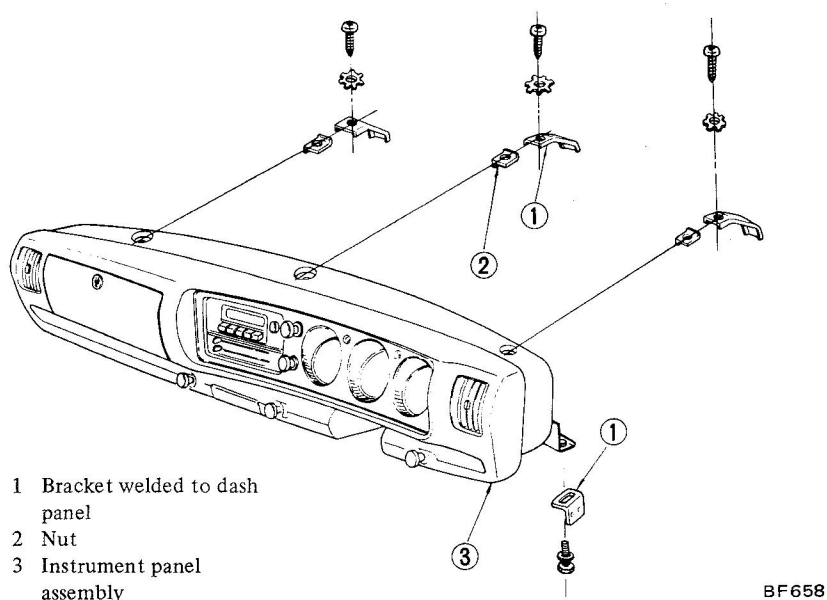


Fig. BF-44 Instrument panel assembly

REMOVAL AND INSTALLATION

1. Disconnect battery cables.
2. Disconnect heater control cables from heater assembly.
3. Disconnect speedometer cable on the back of speedometer.
4. Disconnect antenna and speaker

wiring harnesses at connectors.

5. Disconnect relative wiring harnesses from instrument panel at connectors.

6. Remove steering column shell. Removal of steering wheel at this stage facilitates further removal of instrument panel.

7. Remove two side ventilator knobs. Remove package tray attaching bolt and detach package tray.

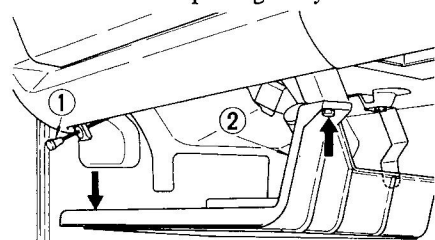


Fig. BF-45 Package tray

8. Support instrument panel assembly and remove five attaching bolts from it.

9. Withdraw instrument panel assembly while lifting it slightly.

10. To install, reverse the order of removal.

INTERIOR TRIM AND CENTER CONSOLE

CONTENTS

HEADLINING	BF-19	BODY SIDE COVER	BF-20
Description	BF-19	Removal and installation	BF-21
Removal	BF-20	CENTER CONSOLE	BF-21
Installation	BF-20	Removal and installation	BF-21

HEADLINING

Description

The headlining assembly is of a suspension type, which is held in place

by listing wires. The design is quite similar to that used in a passenger car.

The Pick-up uses three listing wires, and the Double Pick-up uses five.

BODY AND FRAME

Installation

1. Apply adhesive cement to the outer surface of flange and headlining attaching surface evenly.

2. Install listing wires in place on roof rail.

3. First, attach front headlining to the flanged portion of roof rail. Secondly, attach the rear edges of headlining in place while pulling the headlining material to avoid wrinkles.

4. Attach the right and left edges of headlining material to the flanged portions, using care to avoid wrinkles.

5. Cut excess headlining material except for that (at the upper areas of front, center and rear pillars) not covered by body side welt. The edges of headlining material at these areas should be so cut that it can be folded properly in place.

6. Install garnish on the extreme end of headlining at rear pillar. (Pick-up)

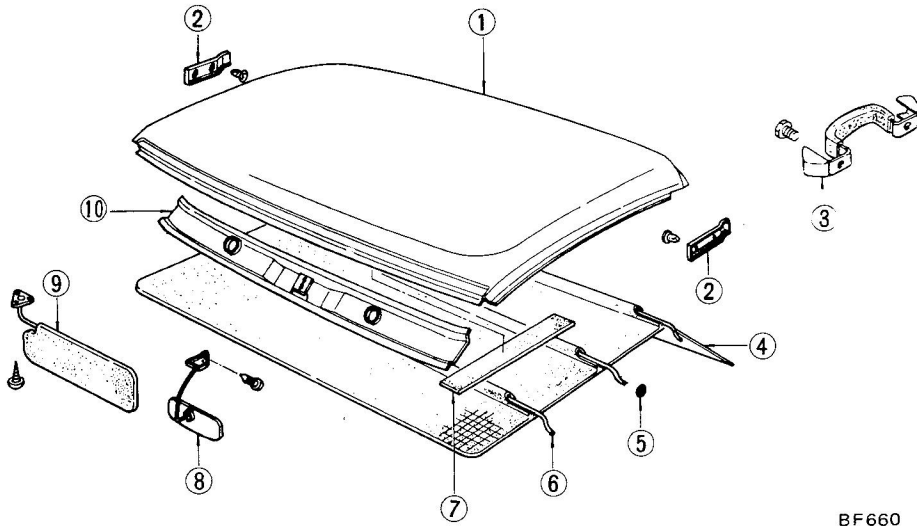
7. Drill a hole in headlining where room lamp is located. Install room lamp.

8. Install body side welts.

9. Install windshield glass.

10. Install back window glass.

11. Install assist rail, sun visor and inside rearview mirror.



BF660

- | | | |
|--------------------|---------------------|--------------------------|
| 1 Roof panel | 5 Listing wire hook | 8 Inside rearview mirror |
| 2 Retainer | 6 Listing wire | 9 Sun visor |
| 3 Assist rail | 7 Roof insulator | 10 Front roof rail panel |
| 4 Headlining cloth | | |

Fig. BF-46 Headlining (Pick-up)

Removal

1. Remove two inside rearview mirror attaching screws and detach rearview mirror.

2. Remove three sun visor attaching screws and detach sun visor.

3. Remove two assist rail attaching screws and detach assist rail.

4. Remove room lamp.

5. Open doors and remove body side welts on each side.

6. Remove windshield glass and weatherstrip.

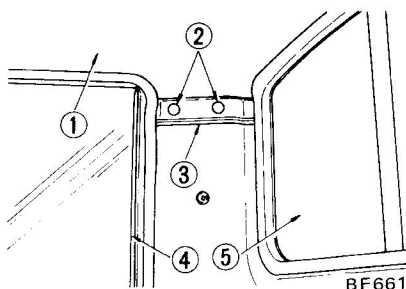
7. Remove back window and weatherstrip.

8. Remove garnish securing the end of headlining to rear pillar. (Pick-up only)

9. Detach all cemented edges of headlining from flanged portion of roof rail.

10. Disengage listing wires from roof rail, and detach headlining.

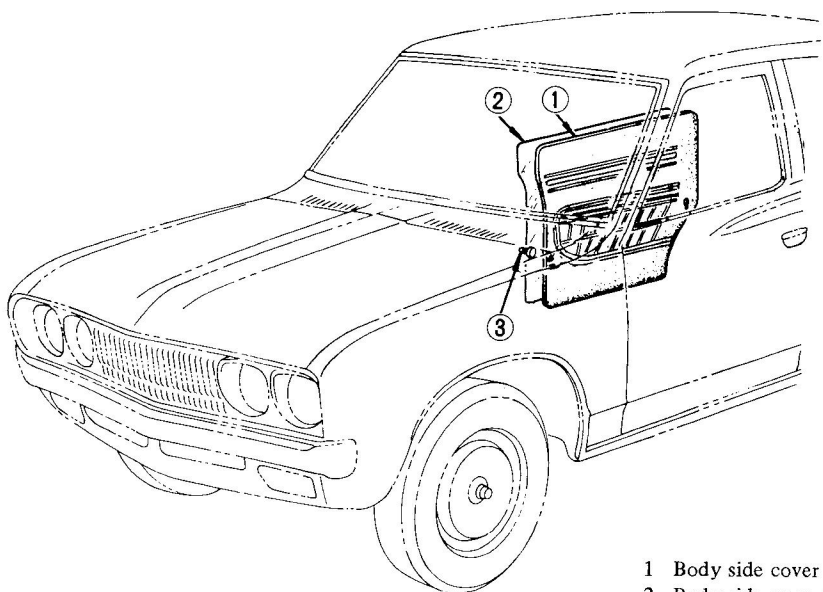
BODY SIDE COVER



BF661

- | | |
|--------------------|---------------------|
| 1 Headlining cloth | 4 Door glass |
| 2 Clip | 5 Back window glass |
| 3 Garnish | |

Fig. BF-47 Removing garnish



- | |
|--------------------|
| 1 Body side cover |
| 2 Body side screen |
| 3 Clip |

BF662

Fig. BF-48 Body side cover

BODY AND FRAME

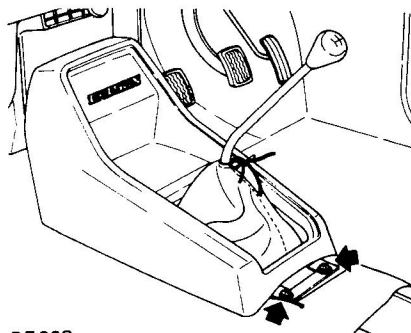
Removal and installation

1. Using a screwdriver, pry off two clips on body side cover.
2. Allow body side cover to curve, and detach this cover from upper and lower retainers.
3. Detach body side screen.
4. To install body side cover, reverse the order of removal. The body side screen should be attached in place with adhesive cement.

CENTER CONSOLE

Removal and installation

1. Remove two bolts from the rear of center console.



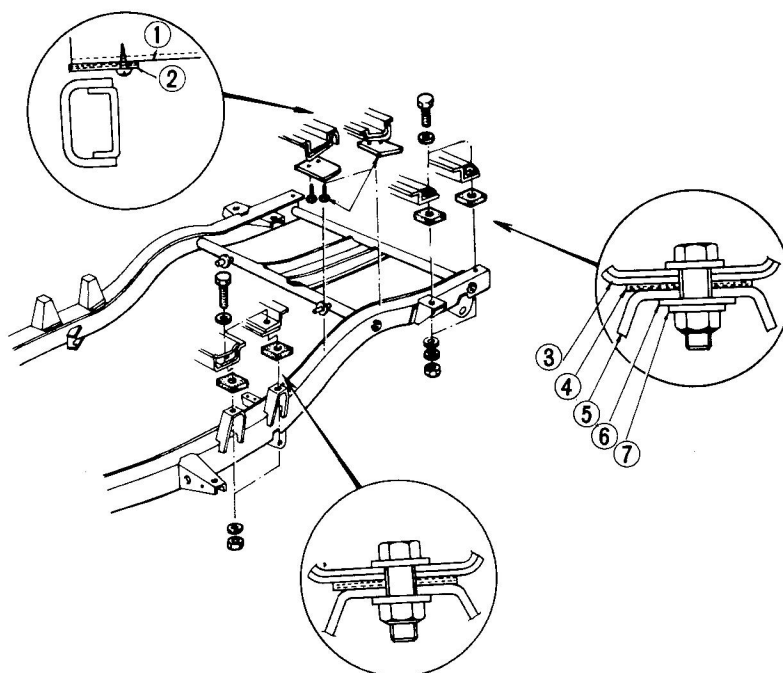
BF663

Fig. BF-49 Removing center console

2. Remove center console by pulling it back.

3. To install center console properly, insert the front portion of center console into bracket on the floor, and install and tighten rear attaching bolts.

REAR BODY



BF664

- 1 Bolster
- 2 Shim B
- 3 Bolster
- 4 Shim A
- 5 Frame
- 6 Rubber washer
- 7 Plain washer

Fig. BF-50 Rear body mountings

REMOVAL AND INSTALLATION

The rear body is securely fastened to the frame at eight places. It should be hoisted after the fuel tank is re-

moved from the rear body.

Use the following procedures as a guide when removal or installation of rear body is necessary.

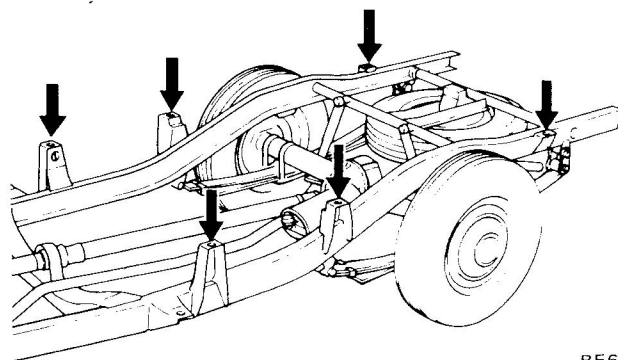
1. Apply parking brake.
2. Disconnect cables from battery.
3. Disconnect rear combination

lamp wiring harness at connectors.

4. Disconnect fuel hoses from fuel tank. Remove fuel tank from rear body.

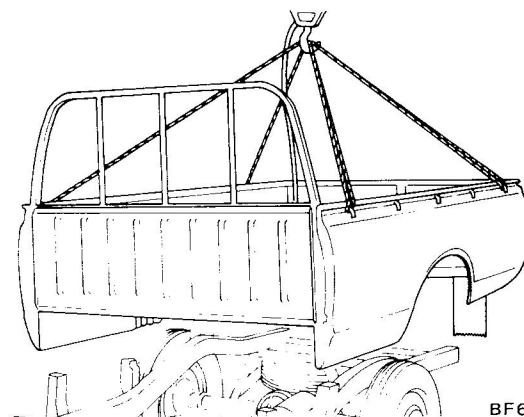
5. Remove eight rear body attaching bolts.

BODY AND FRAME



BF665

Fig. BF-51 Rear body mountings



BF666

Fig. BF-52 Lifting up rear body

6. Attach lifting ropes to hooks in rear body as shown in Figure BF-52, and lift up rear body slowly and carefully.

- b. Use care while lifting not to allow rear body hitting against cab body or any adjacent parts.
- c. The rear body weighs approximately 130 kg (286 lb).

the following instructions.

Make sure that spacers and shims (used with bolts) are properly placed in their original positions. Refer to Figure BF-50 for the location of these parts.

The rear body-to-frame attaching bolts should be torqued to 3.3 to 4.2 kg-m (24 to 30 ft-lb).

Notes:

- a. When lifting rear body, make sure that it is in a good balanced condition.

- 7. To install rear body, reverse the order of removal. Carefully observe

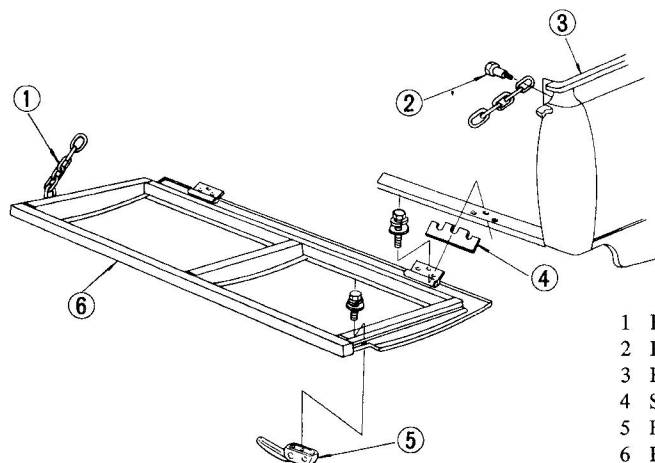
REAR GATE AND REAR BUMPER

CONTENTS

REMOVAL AND INSTALLATION	BF-22
ALIGNMENT	BF-22
REAR GATE LOCK (Double Pick-up)	BF-23
Removal and installation	BF-23
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WEATHERSTRIP (Double Pick-up)	BF-23

Removal and installation	BF-24
REAR BUMPER (Double Pick-up)	BF-24
Removal and installation	BF-24
GUARD FRAME (Pick-up)	BF-24
Removal and installation	BF-24

REMOVAL AND INSTALLATION



BF667

- 1 Rear gate chain
- 2 Rear gate chain bolt
- 3 Rear body
- 4 Shim
- 5 Hook handle
- 6 Rear gate

Fig. BF-53 Rear gate (Pick-up)

- 1. Open rear gate.
- 2. Remove rear gate chain from rear gate. (Pick-up)
- 3. Remove rear gate stay from rear gate. (Double Pick-up)
- 4. Remove rear gate hinge attaching bolts and take out rear gate and rear gate hinge shims.
- 5. To install rear gate, reverse the order of removal.

ALIGNMENT

The rear gate should be adjusted so that there exists an equal clearance between body and the periphery of rear gate. There should be no stepped portion at any points.

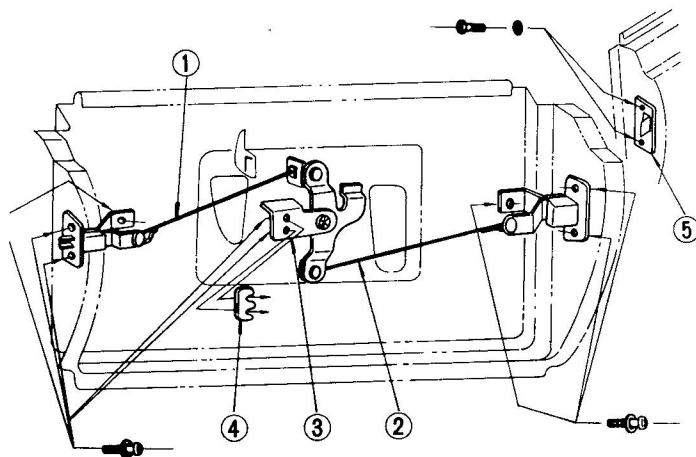
BODY AND FRAME

1. To adjust the height of rear gate, add or remove shims at rear gate hinge. Two sizes of shim are available in thickness — 1.6 mm (0.0630 in) and 0.8 mm (0.0315 in).
2. To adjust rear gate in the left and right directions, loosen rear gate hinge attaching bolts, and move rear gate as required.

3. To adjust rear gate hook, loosen two attaching bolts and move rear gate hook up-down or left-right in elongated holes as required. (Pick-up)
4. To adjust the length of rear gate stays, loosen bolts and adjust stays until they are of an equal length. (Double Pick-up)

5. Remove three side lock assembly attaching screws and detach side lock assembly.
6. Remove two rear gate lock handle attaching nuts from the inside of rear gate and detach lock handle.
7. To install rear gate lock, reverse the order of removal.

REAR GATE LOCK (Double Pick-up)



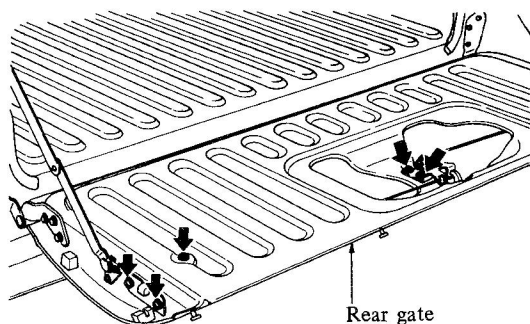
BF668

- | | |
|---------------------------------|-----------|
| 1 Remote control rod | 4 Shim |
| 2 Remote control rod | 5 Striker |
| 3 Remote control lever assembly | |

Fig. BF-54 Rear gate lock assembly

Removal and installation

1. Open rear gate.
2. Remove four rear gate inside cover attaching screws and detach rear gate inside cover.
3. Disengage two remote control rods from remote control lever assembly.
4. Remove two remote control lever assembly attaching screws and detach remote control lever assembly and shim.

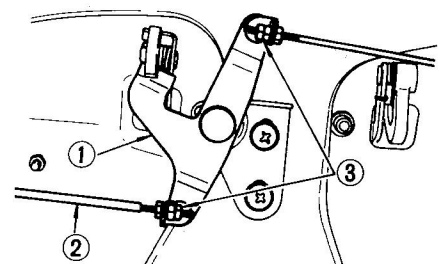


BF669

Fig. BF-55 Removing remote control lever and side lock assembly

Adjustment

1. Turn adjusting nut on remote control rod as required until spindle of side lock assembly is properly meshed with striker.

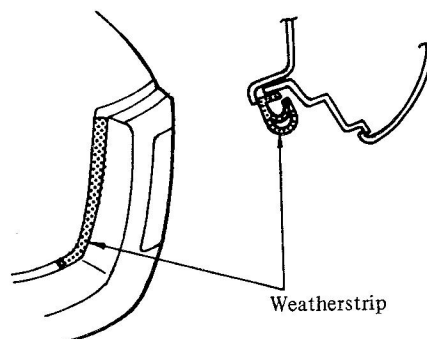


- | |
|------------------------|
| 1 Remote control lever |
| 2 Remote control rod |
| 3 Adjusting nut |

Fig. BF-56 Adjusting rear gate lock

2. To adjust striker properly, loosen two striker attaching bolts and move striker in the fore-aft direction until correct adjustment is made.

WEATHERSTRIP (Double Pick-up)



BF671

Fig. BF-57 Rear gate weatherstrip

Removal and installation

1. Detach weatherstrip from body.
2. Clean adhesive cement from the weatherstrip contact surfaces, using a non-lead gasoline. Wipe these surfaces clean with a clean cloth wet with water.
3. Apply adhesive cement to the contact surfaces of body and weatherstrip.
4. Leave the contact surfaces unattended until adhesive cement is dry, and then attach weatherstrip in position securely.

REAR BUMPER (Double Pick-up)

Removal and installation

1. Remove rear bumper attaching bolts and nuts and detach rear bumper.
 2. To install, reverse the order of removal.
- Make sure that the rear fender to bumper clearance is equal on each side.

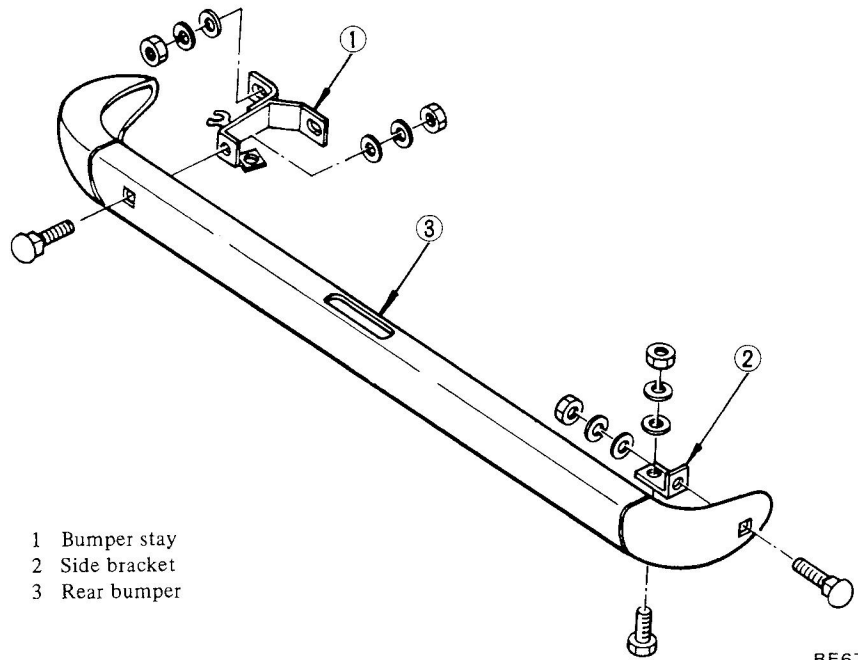


Fig. BF-58 Removing rear bumper

GUARD FRAME (Pick-up)

Removal and installation

The guard frame is furnished as an optional equipment.

1. Remove nine guard frame attaching bolts and detach guard frame.
2. To install optional guard frame, reverse the order of removal.

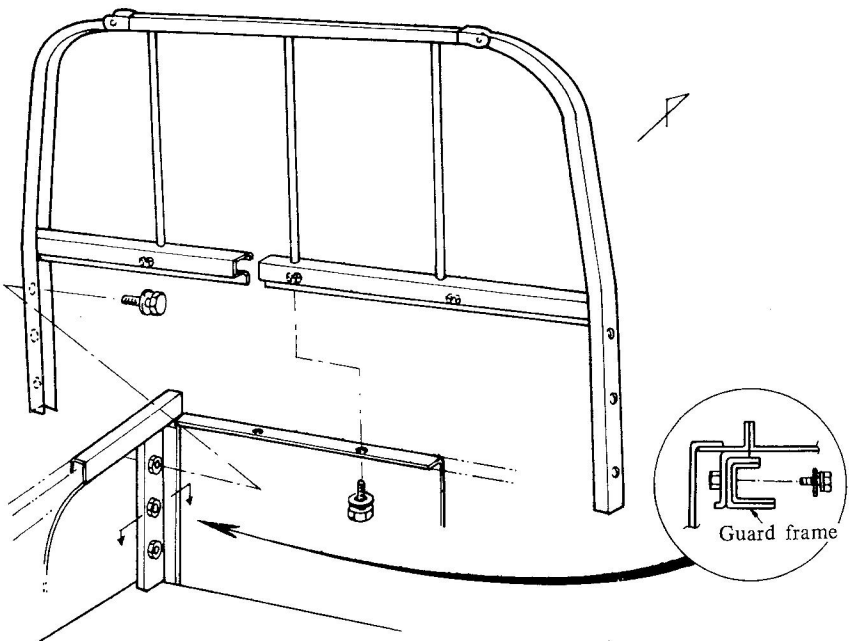


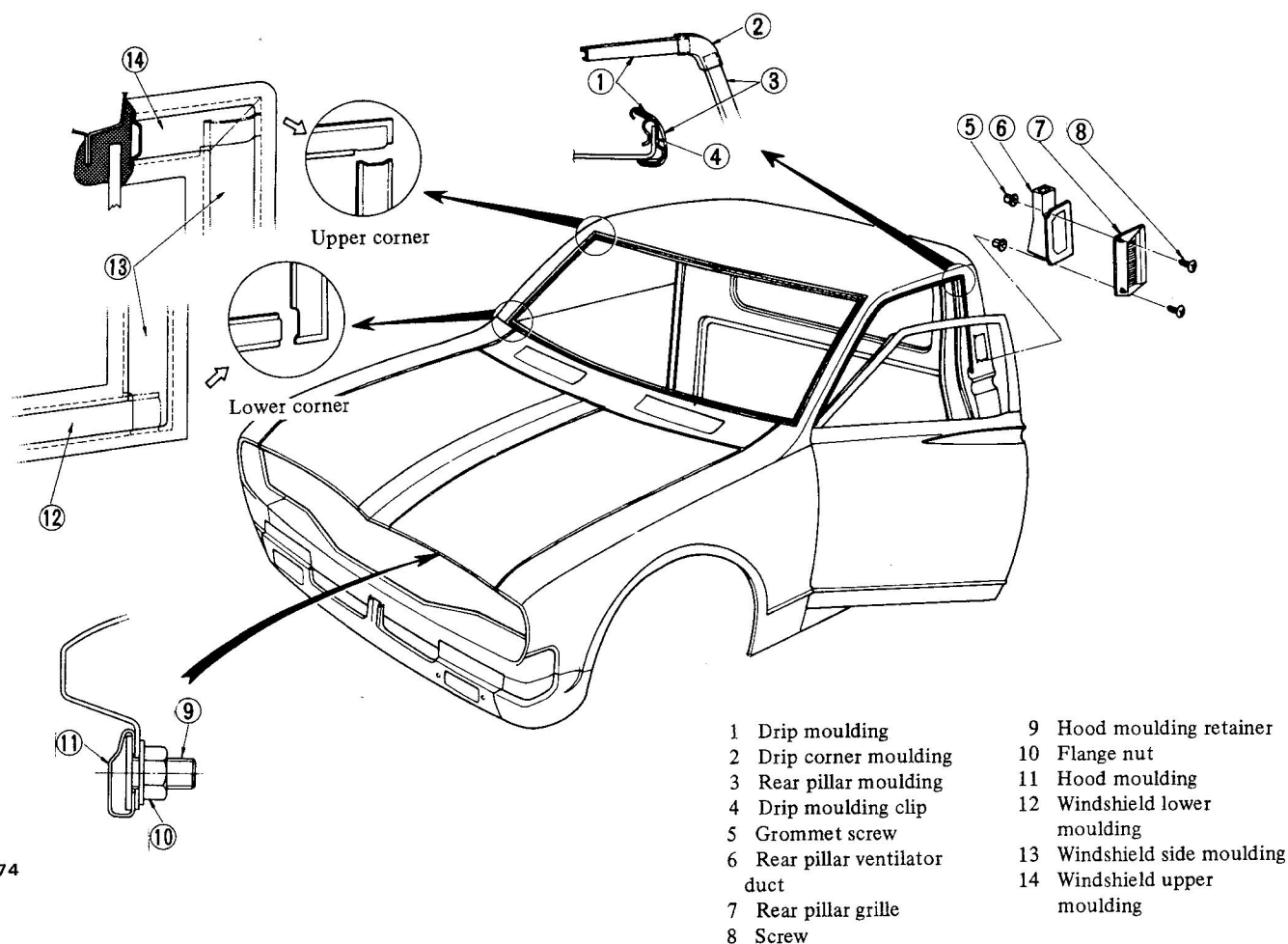
Fig. BF-59 Guard frame

BODY AND FRAME

MOULDING

CONTENTS

HOOD MOULDING	BF-25	DRIP MOULDING	BF-25
Removal and installation	BF-25	Removal and installation	BF-25
WINDSHIELD MOULDING	BF-25	AIR VENTILATOR GRILLE	BF-26
Removal and installation	BF-25	Removal and installation	BF-26



BF674

Fig. BF-60 Mouldings

HOOD MOULDING

Removal and installation

1. Open engine hood.
2. Remove engine hood moulding by loosening six nuts from behind engine hood.
3. To install, reverse removal procedure.

WINDSHIELD MOULDING

Removal and installation

1. Detach the upper windshield moulding.
2. Detach the right and left windshield mouldings.
3. Detach bottom windshield moulding.

4. To install, reverse removal procedure. For details, refer to Figure BF-60.

DRIP MOULDING

Removal and installation

1. Detach corner moulding.

BODY AND FRAME

2. Detach drip mouldings.
3. To install, reverse removal procedure.

AIR VENTILATOR GRILLE

Removal and installation

1. Loosen air ventilator grille at-

taching screws and remove grille and duct.

2. To install, reverse removal procedure.

OUTSIDE MIRROR

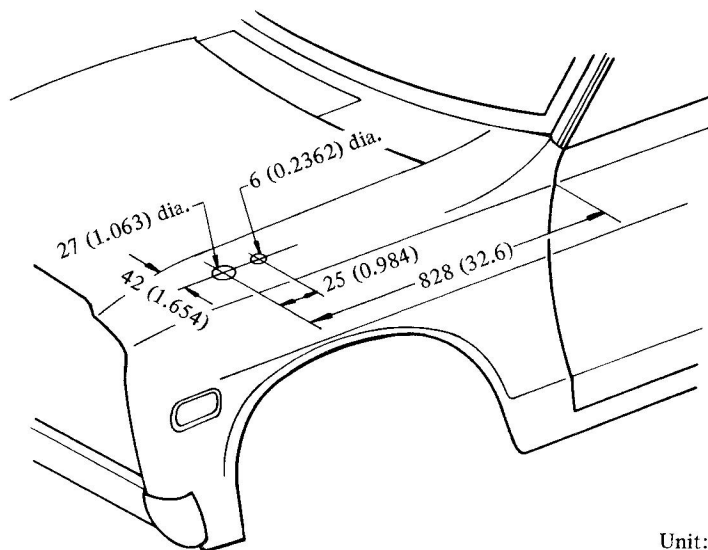
CONTENTS

INSTALLATION	BF-26	Door mirror	BF-26
Fender mirror	BF-26		

INSTALLATION

Fender mirror

Drill holes at the position shown in Figure BF-61, and fix fender mirror into position.



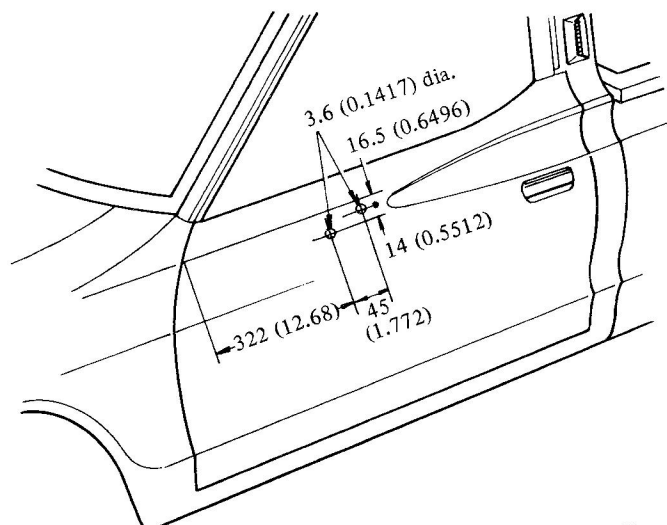
BF675

Unit: mm (in)

Fig. BF-61 Position of fender mirror holes

Door mirror

To install door mirror, attach a template of mirror to driver side door and drill holes through template into door. For details, refer to the instructions shown in template.



BF676

Unit: mm (in)

Fig. BF-62 Position of door mirror holes